

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/590,940
Source: IFWP
Date Processed by STIC: 9/6/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/590,940

CRF Edit Date: 9/6/06
Edited by: Ar

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

✓ Inserted mandatory headings/numeric identifiers, specifically:

<2207 in sequence 3

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFWP

RAW SEQUENCE LISTING

DATE: 09/06/2006

PATENT APPLICATION: US/10/590,940

TIME: 18:58:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09062006\J590940.raw

3 <110> APPLICANT: Consiglio Nazionale delle Ricerche
 4 Domenico GERACI
 5 Angela BONURA
 6 Paolo COLOMBO
 8 <120> TITLE OF INVENTION: Fusion proteins comprising modified allergens of the NS-LTPS
 9 family, use thereof and pharmaceutical compositions comprising
 10 the same
 12 <130> FILE REFERENCE: 4161-18 / BW352R
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/590,940
 15 <141> CURRENT FILING DATE: 2006-08-28
 17 <150> PRIOR APPLICATION NUMBER: PCT/IB2005/050714
 18 <151> PRIOR FILING DATE: 2005-02-28
 20 <150> PRIOR APPLICATION NUMBER: IT RM2004A000103
 21 <151> PRIOR FILING DATE: 2004-02-27
 23 <160> NUMBER OF SEQ ID NOS: 7
 25 <170> SOFTWARE: MS Word
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 732
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Parietaria judaica
 32 <220> FEATURE:
 33 <221> NAME/KEY: CDS
 34 <222> LOCATION: (1)..(729)
 36 <220> FEATURE:
 37 <221> NAME/KEY: misc_feature
 38 <222> LOCATION: (10)..(12)
 39 <223> OTHER INFORMATION: n is a, c, g, or t
 41 <220> FEATURE:
 42 <221> NAME/KEY: misc_feature
 43 <222> LOCATION: (40)..(42)
 44 <223> OTHER INFORMATION: n is a, c, g, or t
 46 <220> FEATURE:
 47 <221> NAME/KEY: misc_feature
 48 <222> LOCATION: (85)..(90)
 49 <223> OTHER INFORMATION: n is a, c, g, or t
 51 <220> FEATURE:
 52 <221> NAME/KEY: misc_feature
 53 <222> LOCATION: (148)..(150)
 54 <223> OTHER INFORMATION: n is a, c, g, or t
 56 <220> FEATURE:
 57 <221> NAME/KEY: misc_feature
 58 <222> LOCATION: (154)..(156)
 59 <223> OTHER INFORMATION: n is a, c, g, or t

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61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: (223)..(225)
64 <223> OTHER INFORMATION: n is a, c, g, or t
66 <220> FEATURE:
67 <221> NAME/KEY: misc_feature
68 <222> LOCATION: (271)..(273)
69 <223> OTHER INFORMATION: n is a, c, g, or t
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (322)..(324)
74 <223> OTHER INFORMATION: n is a, c, g, or t
76 <220> FEATURE:
77 <221> NAME/KEY: misc_feature
78 <222> LOCATION: (352)..(354)
79 <223> OTHER INFORMATION: n is a, c, g, or t
81 <220> FEATURE:
82 <221> NAME/KEY: misc_feature
83 <222> LOCATION: (397)..(402)
84 <223> OTHER INFORMATION: n is a, c, g, or t
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: (460)..(462)
89 <223> OTHER INFORMATION: n is a, c, g, or t
91 <220> FEATURE:
92 <221> NAME/KEY: misc_feature
93 <222> LOCATION: (466)..(468)
94 <223> OTHER INFORMATION: n is a, c, g, or t
96 <220> FEATURE:
97 <221> NAME/KEY: misc_feature
98 <222> LOCATION: (535)..(537)
99 <223> OTHER INFORMATION: n is a, c, g, or t
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: (583)..(585)
104 <223> OTHER INFORMATION: n is a, c, g, or t
106 <400> SEQUENCE: 1
W--> 108 gag gag gct nnn ggg aaa gtg gtg cag gat ata atg ccg nnn ctg cat      48
109 Glu Glu Ala Xaa Gly Lys Val Val Gln Asp Ile Met Pro Xaa Leu His
110 1          5          10          15
112 ttc gtg aag ggg gag gag aag gag ccg tcg aag gag nnn nnn agc ggc      96
113 Phe Val Lys Gly Glu Glu Lys Glu Pro Ser Lys Glu Xaa Xaa Ser Gly
114          20          25          30
116 acg aag aag ctg agc gag gag gtg aag acg acg gag cag aag agg gag      144
117 Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu
118          35          40          45
120 gcc nnn aag nnn ata gtg cgc gcc acg aag ggc atc tcc ggt atc aaa      192
121 Ala Xaa Lys Xaa Ile Val Arg Ala Thr Lys Gly Ile Ser Gly Ile Lys
122          50          55          60

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```

124 aat gaa ctt gtc gcc gag gtc ccc aag aag nnn gat att aag acc act      240
125 Asn Glu Leu Val Ala Glu Val Pro Lys Lys Xaa Asp Ile Lys Thr Thr
126 65              70              75              80
128 ctc ccg ccc atc acc gcc gac ttc gac tgc nnn aag atc caa agt act      288
129 Leu Pro Pro Ile Thr Ala Asp Phe Asp Cys Xaa Lys Ile Gln Ser Thr
130              85              90              95
132 att ttc aga ggt tac tat gga ttc caa gaa acc nnn ggg act atg gtg      336
133 Ile Phe Arg Gly Tyr Tyr Gly Phe Gln Glu Thr Xaa Gly Thr Met Val
134              100              105              110
136 aga gcg ctg atg ccg nnn ctg ccg ttc gtg cag ggg aaa gag aaa gag      384
137 Arg Ala Leu Met Pro Xaa Leu Pro Phe Val Gln Gly Lys Glu Lys Glu
138              115              120              125
140 ccg tca aag ggg nnn nnn agc ggc gcc aaa aga ttg gac ggg gag acg      432
141 Pro Ser Lys Gly Xaa Xaa Ser Gly Ala Lys Arg Leu Asp Gly Glu Thr
142              130              135              140
144 aag acg ggg ccg cag agg gtg cac gct nnn gag nnn atc cag acc gcc      480
145 Lys Thr Gly Pro Gln Arg Val His Ala Xaa Glu Xaa Ile Gln Thr Ala
146 145              150              155              160
148 atg aag act tat tcc gac atc gac ggg aaa ctc gtc agc gag gtc ccc      528
149 Met Lys Thr Tyr Ser Asp Ile Asp Gly Lys Leu Val Ser Glu Val Pro
150              165              170              175
152 aag cac nnn ggc atc gtt gac agc aag ctc ccg ccc att gac gtc aac      576
153 Lys His Xaa Gly Ile Val Asp Ser Lys Leu Pro Pro Ile Asp Val Asn
154              180              185              190
156 atg gac nnn aag aca gtt gga gtg gtt cct cgg caa ccc caa ctt cca      624
157 Met Asp Xaa Lys Thr Val Gly Val Val Pro Arg Gln Pro Gln Leu Pro
158              195              200              205
160 gtc tct ctc cgt cat ggt ccc gtc acg ggc cca agt gat ccc gcc cac      672
161 Val Ser Leu Arg His Gly Pro Val Thr Gly Pro Ser Asp Pro Ala His
162              210              215              220
164 aaa gca cgg ttg gag aga ccc cag att aga gtt ccg ccc ccc gca ccg      720
165 Lys Ala Arg Leu Glu Arg Pro Gln Ile Arg Val Pro Pro Pro Ala Pro
166 225              230              235              240
168 gaa aaa gcc taa      732
169 Glu Lys Ala
172 <210> SEQ ID NO: 2
173 <211> LENGTH: 243
174 <212> TYPE: PRT
175 <213> ORGANISM: Parietaria judaica
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (4)..(4)
181 <223> OTHER INFORMATION: Xaa at location 4 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
182      Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
184 <220> FEATURE:
185 <221> NAME/KEY: misc_feature
186 <222> LOCATION: (14)..(14)
187 <223> OTHER INFORMATION: Xaa at location 14 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
188      Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe

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190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (29)..(29)
193 <223> OTHER INFORMATION: Xaa at location 29 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
194 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
198 <222> LOCATION: (30)..(30)
199 <223> OTHER INFORMATION: Xaa at location 30 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
200 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
202 <220> FEATURE:
203 <221> NAME/KEY: misc_feature
204 <222> LOCATION: (50)..(50)
205 <223> OTHER INFORMATION: Xaa at location 50 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
206 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (52)..(52)
211 <223> OTHER INFORMATION: Xaa at location 52 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
212 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <222> LOCATION: (75)..(75)
217 <223> OTHER INFORMATION: Xaa at location 75 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
218 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
220 <220> FEATURE:
221 <221> NAME/KEY: misc_feature
222 <222> LOCATION: (91)..(91)
223 <223> OTHER INFORMATION: Xaa at location 91 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
224 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
226 <220> FEATURE:
227 <221> NAME/KEY: misc_feature
228 <222> LOCATION: (108)..(108)
229 <223> OTHER INFORMATION: Xaa at location 108 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
230 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
232 <220> FEATURE:
233 <221> NAME/KEY: misc_feature
234 <222> LOCATION: (118)..(118)
235 <223> OTHER INFORMATION: Xaa at location 118 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,
236 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
238 <220> FEATURE:
239 <221> NAME/KEY: misc_feature
240 <222> LOCATION: (133)..(133)
241 <223> OTHER INFORMATION: Xaa at location 133 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,

242 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <222> LOCATION: (134)..(134) /
247 <223> OTHER INFORMATION: Xaa at location 134 stands for Lys, Asn, Arg, Ser, Thr, Ile,
Met,

RAW SEQUENCE LISTING

DATE: 09/06/2006

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Input Set : A:\PTO.AMC.txt

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248 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
 250 <220> FEATURE:
 251 <221> NAME/KEY: misc_feature
 252 <222> LOCATION: (154)..(154)
 253 <223> OTHER INFORMATION: Xaa at location 154 stands for Lys, Asn, Arg, Ser, Thr, Ile,
 Met,
 254 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
 256 <220> FEATURE:
 257 <221> NAME/KEY: misc_feature
 258 <222> LOCATION: (156)..(156)
 259 <223> OTHER INFORMATION: Xaa at location 156 stands for Lys, Asn, Arg, Ser, Thr, Ile,
 Met,
 260 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
 262 <220> FEATURE:
 263 <221> NAME/KEY: misc_feature
 264 <222> LOCATION: (179)..(179)
 265 <223> OTHER INFORMATION: Xaa at location 179 stands for Lys, Asn, Arg, Ser, Thr, Ile,
 Met,
 266 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
 268 <220> FEATURE:
 269 <221> NAME/KEY: misc_feature
 270 <222> LOCATION: (195)..(195)
 271 <223> OTHER INFORMATION: Xaa at location 195 stands for Lys, Asn, Arg, Ser, Thr, Ile,
 Met,
 272 Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp, Cys or Phe
 274 <400> SEQUENCE: 2
 W--> 276 Glu Glu Ala Xaa Gly Lys Val Val Gln Asp Ile Met Pro Xaa Leu His
 277 1 5 10 15
 279 Phe Val Lys Gly Glu Glu Lys Glu Pro Ser Lys Glu Xaa Xaa Ser Gly
 280 20 25 30
 282 Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu
 283 35 40 45
 285 Ala Xaa Lys Xaa Ile Val Arg Ala Thr Lys Gly Ile Ser Gly Ile Lys
 286 50 55 60
 288 Asn Glu Leu Val Ala Glu Val Pro Lys Lys Xaa Asp Ile Lys Thr Thr
 289 65 70 75 80
 291 Leu Pro Pro Ile Thr Ala Asp Phe Asp Cys Xaa Lys Ile Gln Ser Thr
 292 85 90 95
 294 Ile Phe Arg Gly Tyr Tyr Gly Phe Gln Glu Thr Xaa Gly Thr Met Val
 295 100 105 110
 297 Arg Ala Leu Met Pro Xaa Leu Pro Phe Val Gln Gly Lys Glu Lys Glu
 298 115 120 125
 300 Pro Ser Lys Gly Xaa Xaa Ser Gly Ala Lys Arg Leu Asp Gly Glu Thr
 301 130 135 140
 303 Lys Thr Gly Pro Gln Arg Val His Ala Xaa Glu Xaa Ile Gln Thr Ala
 304 145 150 155 160
 306 Met Lys Thr Tyr Ser Asp Ile Asp Gly Lys Leu Val Ser Glu Val Pro
 307 165 170 175
 309 Lys His Xaa Gly Ile Val Asp Ser Lys Leu Pro Pro Ile Asp Val Asn
 310 180 185 190
 312 Met Asp Xaa Lys Thr Val Gly Val Val Pro Arg Gln Pro Gln Leu Pro
 313 195 200 205
 315 Val Ser Leu Arg His Gly Pro Val Thr Gly Pro Ser Asp Pro Ala His

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/590,940

DATE: 09/06/2006
 TIME: 18:58:07

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09062006\J590940.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. ~~10,11,12,40,41,42,85,86,87,88,89,90,148,149,150,154,155,156~~
 Seq#:1; N Pos. ~~223,224,225,271,272,273,322,323,324,352,353,354,397,398,399~~
 Seq#:1; N Pos. ~~400,401,402,460,461,462,466,467,468,535,536,537,583,584,585~~
 Seq#:1; Xaa Pos. 4,14,29,30,50,52,75,91,108,118,133,134,154,156,179,195
 Seq#:2; Xaa Pos. ~~4,14,29,30,50,52,75,91,108,118,133,134,154,156,179,195~~

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/590,940

DATE: 09/06/2006

TIME: 18:58:07

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09062006\J590940.raw

L:14 M:270 C: Current Application Number differs, Wrong Format
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:482 M:283 W: Missing Blank Line separator, <220> field identifier

**Raw Sequence Listing before editing
(for reference only)**



IFWP

RAW SEQUENCE LISTING

DATE: 09/06/2006

PATENT APPLICATION: US/10/590,940

TIME: 10:23:41

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09062006\J590940.raw

3 <110> APPLICANT: Consiglio Nazionale delle Ricerche
 4 Domenico GERACI
 5 Angela BONURA
 6 Paolo COLOMBO
 8 <120> TITLE OF INVENTION: Fusion proteins comprising modified allergens of the NS-LTPS
 9 family, use thereof and pharmaceutical compositions comprising
 10 the same
 12 <130> FILE REFERENCE: 4161-18 / BW352R
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 20 <150> PRIOR APPLICATION NUMBER: IT RM2004A000103
 21 <151> PRIOR FILING DATE: 2004-02-27
 23 <160> NUMBER OF SEQ ID NOS: 7
 25 <170> SOFTWARE: MS Word

ERRORED SEQUENCES

325 <210> SEQ ID NO: 3
 326 <211> LENGTH: 732
 327 <212> TYPE: DNA
 328 <213> ORGANISM: Parietaria judaica
 329 <221> NAME/KEY: CDS
 330 <222> LOCATION: (1)..(729)
 E--> 332 <400> SEQUENCE: 3

334	gag gag gct agc ggg aaa gtg gtg cag gat ata atg ccg tgc ctg cat	48
335	Glu Glu Ala Ser Gly Lys Val Val Gln Asp Ile Met Pro Cys Leu His	
336	1 5 10 15	
338	ttc gtg aag ggg gag gag aag gag ccg tgc aag gag agc agc agc ggc	96
339	Phe Val Lys Gly Glu Glu Lys Glu Pro Ser Lys Glu Ser Ser Ser Gly	
340	20 25 30	
342	acg aag aag ctg agc gag gag gtg aag acg acg gag cag aag agg gag	144
343	Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu	
344	35 40 45	
346	gcc tgc aag tgc ata gtg cgc gcc acg aag ggc atc tcc ggt atc aaa	192
347	Ala Cys Lys Cys Ile Val Arg Ala Thr Lys Gly Ile Ser Gly Ile Lys	
348	50 55 60	
350	aat gaa ctt gtc gcc gag gtc ccc aag aag tgc gat att aag acc act	240
351	Asn Glu Leu Val Ala Glu Val Pro Lys Lys Cys Asp Ile Lys Thr Thr	
352	65 70 75 80	
354	ctc ccg ccc atc acc gcc gac ttc gac tgc tcc aag atc caa agt act	288

Does Not Comply
 Corrected Diskette Needed

Insert

<220>

RAW SEQUENCE LISTING

DATE: 09/06/2006

PATENT APPLICATION: US/10/590,940

TIME: 10:23:41

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09062006\J590940.raw

355	Leu	Pro	Pro	Ile	Thr	Ala	Asp	Phe	Asp	Cys	Ser	Lys	Ile	Gln	Ser	Thr	
356					85					90					95		
358	att	ttc	aga	ggt	tac	tat	gga	ttc	caa	gaa	acc	agc	ggg	act	atg	gtg	336
359	Ile	Phe	Arg	Gly	Tyr	Tyr	Gly	Phe	Gln	Glu	Thr	Ser	Gly	Thr	Met	Val	
360					100				105					110			
362	aga	gcg	ctg	atg	ccg	tgc	ctg	ccg	ttc	gtg	cag	ggg	aaa	gag	aaa	gag	384
363	Arg	Ala	Leu	Met	Pro	Cys	Leu	Pro	Phe	Val	Gln	Gly	Lys	Glu	Lys	Glu	
364					115				120					125			
366	ccg	tca	aag	ggg	agc	agc	agc	ggc	gcc	aaa	aga	ttg	gac	ggg	gag	acg	432
367	Pro	Ser	Lys	Gly	Ser	Ser	Ser	Gly	Ala	Lys	Arg	Leu	Asp	Gly	Glu	Thr	
368			130					135					140				
370	aag	acg	ggg	ccg	cag	agg	gtg	cac	gct	tgt	gag	tgc	atc	cag	acc	gcc	480
371	Lys	Thr	Gly	Pro	Gln	Arg	Val	His	Ala	Cys	Glu	Cys	Ile	Gln	Thr	Ala	
372	145					150					155				160		
374	atg	aag	act	tat	tcc	gac	atc	gac	ggg	aaa	ctc	gtc	agc	gag	gtc	ccc	528
375	Met	Lys	Thr	Tyr	Ser	Asp	Ile	Asp	Gly	Lys	Leu	Val	Ser	Glu	Val	Pro	
376					165					170				175			
378	aag	cac	tgc	ggc	atc	gtt	gac	agc	aag	ctc	ccg	ccc	att	gac	gtc	aac	576
379	Lys	His	Cys	Gly	Ile	Val	Asp	Ser	Lys	Leu	Pro	Pro	Ile	Asp	Val	Asn	
380				180					185					190			
382	atg	gac	tgc	aag	aca	gtt	gga	gtg	gtt	cct	cgg	caa	ccc	caa	ctt	cca	624
383	Met	Asp	Cys	Lys	Thr	Val	Gly	Val	Val	Pro	Arg	Gln	Pro	Gln	Leu	Pro	
384				195					200					205			
386	gtc	tct	ctc	cgt	cat	ggt	ccc	gtc	acg	ggc	cca	agt	gat	ccc	gcc	cac	672
387	Val	Ser	Leu	Arg	His	Gly	Pro	Val	Thr	Gly	Pro	Ser	Asp	Pro	Ala	His	
388			210					215					220				
390	aaa	gca	cgg	ttg	gag	aga	ccc	cag	att	aga	gtt	ccg	ccc	ccc	gca	ccg	720
391	Lys	Ala	Arg	Leu	Glu	Arg	Pro	Gln	Ile	Arg	Val	Pro	Pro	Pro	Ala	Pro	
392	225					230					235				240		
394	gaa	aaa	gcc	taa													732
395	Glu	Lys	Ala														

VERIFICATION SUMMARY

DATE: 09/06/2006

PATENT APPLICATION: US/10/590,940

TIME: 10:23:42

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09062006\J590940.raw

L:14 M:270 C: Current Application Number differs, Wrong Format
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:48
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:48
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:96
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:144
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:192
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:192
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:240
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:240
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:288
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:288
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:336
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:336
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:384
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:384
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:432
L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:432
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:480
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:528
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:576
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:576
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:624
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:48
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:64
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:80
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:96
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:112
L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:128
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:144
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:176
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:192
L:332 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:3
L:480 M:283 W: Missing Blank Line separator, <220> field identifier